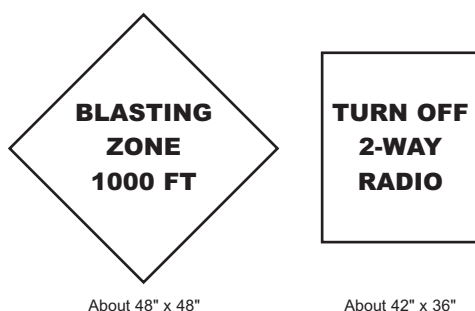


- * (i) All blast site employees shall follow the directions of the Blaster-in-Charge. All blast site employees shall use and adhere to every precaution to ensure employee safety including, but not limited to, visual and audible warning signals, flags, or barricades.
- (j) Insofar as possible, blasting operations above ground shall be conducted between sunup and sundown.
- * (k) Precautions shall be taken to prevent accidental discharge of electric detonators from current induced by radar, radio transmitters including 2-way radios and mobile telephones, lightning, adjacent powerlines, dust storms, or other sources of extraneous electricity. These precautions shall include:
 - * (1) See Section 1926.906(a) and (b).
 - * (2) At the approach and progress of an electric storm, blasting operations shall be suspended and personnel removed to an area safe from concussion (shock wave), flying material, or gases from an explosion.
 - * (3) (i) The prominent display of adequate signs, warning against the use of mobile radio transmitters, (e.g., telephones and 2-way radios) on all roads within 1,000 feet of electric blasting operations. If adherence to the 1,000-foot distance would create an operational handicap, then a competent person (as defined in 29 CFR 1926 Subparts L and P) shall be consulted to evaluate the particular situation, and alternative provisions may be made which are designed to prevent any premature firing of electric detonators. A description of any such alternatives shall be reduced to writing and shall be certified by the competent person consulted as meeting the purposes of this subdivision. The description shall be maintained at the construction during the duration of the work, and shall be available for inspection by representatives of the Commissioner of Labor.
 - (ii) Examples of signs which would meet the requirements of paragraphs (i) and (k)(3) of this section are the following:



- * (4) Ensuring that mobile transmitters including telephones and 2-way radios which are less than 100 feet away from electric detonators, in other than original containers, shall be de-energized and effectively prevented from operating, (e.g., locked);
- * (5) The Blaster-in-Charge shall comply with the recommendations of IME with regard to blasting in the vicinity of radio transmitters as stipulated in Safety Guide for the Prevention of Radio Frequency Radiation Hazards in the Use of Commercial Electric Detonators (Blasting Caps), IME Safety Library Publication No. 20, 2000, which is incorporated herein by reference, including any subsequent amendments and editions.
- * (l) Empty boxes and associated paper and fiber packing materials, which have previously contained explosives, shall not be used for any purpose, other than that associated with the blasting operation. Such boxes, paper and packing materials shall be disposed of in a manner that prevents reuse and does not constitute a hazard. Disposal may include but shall not be limited to burning. The method used for disposal shall comply with all applicable local, State or federal laws.
- (m) Explosives, blasting agents, and blasting supplies that are obviously deteriorated or damaged shall not be used.
- * (n) Delivery and issue of explosives shall only be made by and to authorized persons (as defined in 27 CFR Part [555]) and into magazines or temporary storage or handling areas that meet the ATF storage requirements contained in 27 CFR Part [555].
- * (o) Blasting operations in the proximity of overhead power lines, communication lines, utility services, or other services and structures shall not commence until the operators or owners have been notified and measures for safe control have been taken.